Low Power Solar 4G Camera

User's Manual

The image in the Manual may differ from the product in kind, which shall prevail

The Manual applies to the V380/V380Pro/V380 Pro/V380 Max series.

SOLEMNLY REMIND

Please install the Camera in the location of direct sunlight, otherwise the Camera may appear power shortage.

STATEMENT

1. Please be kindly noticed that the content described in this manual may differ from the version you are using.For any uncertainty problems encountered in using this product,Please contact our technical support or product distributor.
2. Please be kindly noticed that, this Manual is subject to updates without a prior notice.

NOTICE OF USE

1.Installation

- Please note that the product is installed away from the fire source.
- Please install this Product according to this Manual. Never install it in places with strong vibration or yet other equipment on this Product.

2.Transportation and Handling

- Please use original packaging materials and carton while handling this Product to keep safety, since such packaging has passed anti-vibration design and test.
- Please move gently during handling to prevent damage due to vibration equipment.

I. Packing List:

S/N	NAME
1	Camera
2	Solar Panel
3	Solar Panel Bracket
4	18650 battery (Optional)
5	Screwdriver
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II. Features

1. Use of solar power, with uninterruptible power supply;
2. Use of IMD (Human Motion Detection), by which, the camera will start to shoot video within 1 second when the distance between someone and camera is less than 30m, and at the same time push the warning message to the mobile APP;
3. Supports remote wake-up
4. Supports 4G LTE Network (4G Sim card required)
5. Night camera can manually switch between white-light source and infrared light modes;
6. Inductive street light, and the street light will be on when there's people detected within range of 30m and the camera will be activated at the same time (need to adjust to white-light source mode)
7. Dark local storage(Need to insert TF card) and uploading to cloud are available(Need to buy cloud space);

III. Appearance

IV. Descriptions:

1. **Solar panel**: Charge the main unit; please install it in places under sunlight;
2. **Battery Housing**: optional Special-type 3.7V 18650 Battery(Recommend Sony or Sam);
3. **Camera Housing**: Aluminum alloy housing with screwdriver to take waterproof;
4. **Power Cable**:4Pin tight waterproof outlcapt
5. **4G antenna**;
6. **IMD (Human Motion Detection) sensor**: When a person or a moving object appears in the induction range of the device, a trigger signal will be generated and sent to the main unit;
7. **Lens capture image/video**;
8. **Light sensitive**: Sense the light in the camera when the light is insufficient or night, and at the same time is the inductive street light;
9. **Infrared light**: If you do not want the white-light source, you may switch to infrared mode to use infrared light for light filling;
10. **Indicator light**:
    Green indicator (solution indicator, motion indicator with motion detected): Green indicator flashes when the camera is in the state of motion detected or when the camera is remote connected,but camera starts to connect the 4G network, it will be off once connected ;
    Red indicator: Red indicator light is always on when the camera is connected to the 4G network;
11. **Light sensitive**: Sense white-light source or infrared light for light filling in the night or when the illumination is less than 2Lux;
12. **Microphone**;
13. **Cool Waterproof cover**;
14. **Hot Waterproof cover**:Hot waterproof or cake waterproof;
15. **Reset**: In the working state, press this button for 5 seconds and release it, then switch to factory mode (red light, with voice prompt);
16. **Micro SD card slot**: Micro SD card (Class 10 or above) is supported;
17. **TF card slot**: 4G/LTE/GSM/GPRS are supported (Please format first before installing);
18. **NANO SIM Card Slot**: 4G/A/GSM sim card supported, (make sure the data bundle is available)

V. Specifications

Effective pixels	2.0MP
Resolution	1920*1080
4G frequency	Support full band 4G, needs to choose the version
Pan/Tilt	Pan: 320° Tilt: 90°
Range of induction	0~12M(90° 1 Horizontal)
Coverage	0~12M(90° 1 Horizontal)
Working temperature	-10℃~60℃
Working humidity	0%-90%RH
Way of wake-up	IMD (Human Motion Detection) Inductive trigger / Remote APP wakeup by mobile phone
durtionry Power consumption	0.6mW
Work Power consumption	Daytime:0.25W, nightime:0.7W
Grade of waterproof	IP66

VI. Device connection (please check whether the 4G card is inserted properly and confirm the 4G card is valid with sufficient data traffic.)

Please search "Eyecam" in the APP store for iPhones and the Google Play Store for Android phones, download the APP, and follow the steps below to install the APP. After successful installation, please set your camera according to the following steps.

1. APP installation and registration

After successful installation of the APP, please register and log in. Mainland China users: Your phone number must be correct to receive the verification code (to registering).

2. Insert the SIM card and the TF card

First, use a Phillips screwdriver to open the speaker cover at the bottom of the camera, and insert the 4G/GSM/GPRS card (please confirm that the 4G card is valid with sufficient data traffic) into the SIM card slot. If you need to use the TF card, insert it and it should be formatted with a computer whenever possible(note the camera's TF card slot, and close the cover and tighten the screws with a Phillips screwdriver (remember to install properly for sealing ring, otherwise the camera will be damaged due to failure to water resistance).

3. Connect with Solar Panel

(Pls tight waterproof outcaps)

After the camera is turned on, the indicator will light green first and then turn red. When the indicator turns red, it indicates that with the red light going out, and the camera has been in the setting state now (if it is not in this state, please press the Reset button for 5 seconds after camera booting, then reboot it. Then, the system will be automatically reset with a voice prompt).

After the camera is added, you may click on the Camera icon on the APP's main interface to view it in real time or perform other operations.

VII. Instructions for use of the camera

1. Device List icon

Edit: query the device ID and rename the device name. Share: share the device with others.
Delete: delete the device from the list.
Cloud: once who have not enabled the cloud storage can enable it with the button, while those who have enabled can pick both the cloud storage release with the button.

2. Message logging

System Message: query the shared messages and system messages.
Device Message: the alarm records generated by the device are the partial have been enabled motion detection, inductive detection and low battery alarm records.

3. User list

Signout: users can log out or switch to another account here.
My Files: local videos and photos could be viewed and managed.
Detection New Version: the version manbered Push Notification: the push messages for all the devices in the device list can be enabled or disabled uniformly (enabled by default).

4. Instructions for functions of the icons on the real-time video interface

PTZ icon(only 4Pin tight waterproof cap version): Hold down the PTZ icon to control the lens to move towards the direction you want to see, and release the hand to stop the lens movement.
Clear: click the Resolution to switch between Clear and Smooth to adjust the resolution of the video stream to the satisfaction. Note: Switch the quality of Pan-Tilt Camera to Clear.
Screen: Click the Phone icon to capture a photo (screenshot) and save it to the local album.
Audio: click, press the Phone and Speaker icon to open or close voice intercom and listen to sound.
Full screen: click the Full Screen icon to enter full screen mode. The resolution mode defaults to smooth by default.
Off Play: mute the video of the IP cam(only for Tuya Smart Camera, not for Eyecam Camera).
Voice Switch: display the current recording process of the camera, Voiceprint Display: Signal light when recording.
Voice Switch: Turn on the voice function (mute of the camera phone).

5. Settings (click "Settings" in the top right corner)

Device Name: Modify the device name displayed on the home page.
Mode Detection Arming: enabled or disabled, and the sensitivity of the motion detection can be adjusted. Note: Motion detection is enabled by default, and the sensitivity is set to the highest level by default.
Inductive Recording: Mp, Hp, Mn, Hn, Mn+Hn, Hn+Mn, when the camera sees or hears a person, it will start recording. Note: Inductive recording is enabled by default, and the sensitivity is set to the highest level by default.
Inductive Alarm: Mp, Hp, Mn, Hn, Mn+Hn, Hn+Mn, when the camera sees or hears a person, it will send a push notification to the mobile phone. Note: Inductive alarm is enabled by default, and the sensitivity is set to the highest level by default.
Storage Information: view the storage information of the device.
Device Sharing: share the device with other users.
Cloud Service: Cloud Service is a Pay-as-you-go service. Users can choose to purchase cloud storage space according to their needs.
Cloud Storage: Once enabled, the cloud storage function will be automatically activated. Note: Cloud storage is enabled by default.

6. Basic settings

Working Mode: Ring, normal, DND. Ring: mode for receiving alarm, ring, and receiving call; Normal: mode for receiving alarm, ringing, and receiving a call; DND: mode for receiving alarm and not receiving call.
Light Mode: Auto, Night, Day. Auto: automatically switching between day and night modes according to ambient light; Night: only night mode; Day: only daytime mode.
Night Light Brightness: Adjust the brightness of the night light (about 10 seconds) or set a power-saving mode (automatically turn off the light after 30 seconds).
Night Light Duration: Adjust the duration of the night light (default: 30 seconds).
Indicator Light: the signal indicator could be enabled or disabled according to user needs(Disabe by mute mode).

VIII. Share and add the camera

1. Click "Share" in the "Settings" at the bottom of the screen, then, click "Share" and enter the recipient's account and click "Share". The camera interface will appear on the home page of the APP after the recipient accepts the share. Note: Sharing "Camera" "System Sharing" and "Agree" on the device sharing interface.

IX. Delete the camera

After starting the APP, click "Delete Device" at the bottom of the screen and then click "OK".

X. Play back videos

1. Play back a video: click "Playback" on the home page of the video interface and set the starting time then click "Search" to find the video you want to play.

2. View local videos and screenshots: after starting the APP, click "My" and then "My Files" to view the videos and screenshots taken.

XI.Matters needs attention

1. The camera are powered by the solar panel.A battle battery, it will consume 300mah power for a day.A usually when it experiences the sunny weather when and pick for battery may for low which can make the camera into the sleep hibernation, you can using a 5V or other panel exceeding this to you can take the camera to be charged directly with the charging cable.
2. Please make sure that the camera installation site exceeds the operator's 4G signal normally. If the 4G signal is weak, please improve it or replace relay operation.
3. The device is a low-power consumption smart product, support remote call when been phone-up. PIR IMD is sensitive, disarmed mode mute, it will automatically turn on/off by mute after 30s setting.

低功耗太阳能4G摄像机

使用手册

关于使用中可能发现图片不同，请以产品实际为准。
本手册适用于V380/V380Pro/V380 Pro/V380 Max系列产品。

郑重提示

请把摄像机安装在阳光直接照射的地点，否则摄像机可能出现电量不足的情况。

声 明

1. 本手册所描述的内容可能与您收到的实际产品有区别，如发现如图不子指也不同请以所收到产品为准。请与本公司技术支持或产品经销商联系。
2. 本手册内容将不定期更新，恕不另行通知。

使用注意事项

1. 安装
- 本机请注意安装在远离火源的地方。
- 请使用手册指定方式安装，避免发现其会损伤器动的情况，如使其正常备用了本机上。
2. 运输与搬运
- 本机的包装在过其跌落试验和振动，确保在运输过程中不会受到意外损坏。所以在搬运本机时，最好使用原来的包装材料和箱。
- 搬运时请轻拿轻放，以免受到震动影响造成。

一、装箱清单：

序号	名 称
1	摄像机主机
2	电池太阳能板
3	电池太阳能板支架
4	电池（可选）
5	螺子
6	螺丝刀
7	使用手册

二、功能介绍

1. 太阳能供电，永不断电。
2. IMD（Human Motion Detection人体运动检测），当有人移动摄像机对准范围内时，（特点引动摄像机录制视频，同时可推送警示信息给手机APP。
3. 远程唤醒
4. 本机的电源（蓄电池）是可拆卸的，确保在实际使用中不会受到意外损坏，所以产生使用寿命可能会更长。
5. 4G网络（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
6. 夜间摄像（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
7. 暗环境下本地存储及云端上传（需要插入TF卡，使用4G流量。

三、外观介绍

四、说述说明：

1. **太阳能供电**：由于离光近，研究能量转化是相对的电能为。
2. **电池**：可选2-4节，7号电池2000毫安（建议加入4-7节）。
3. **红外灯**：（白天不需要红外灯，所以可关闭，夜间可开启）。
4. **电源**：（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
5. **4G天线**；
6. **IMD（Human Motion Detection人体运动检测）模组**：当人体在摄像机的检测范围内时，（特点产生触发信号给主机）。
7. **镜头**：采集图像视频。
8. **亮传感**：晚上为提产品夜间摄像机作用，同时为是感应模式。
9. **红外灯**：（白天不需要红外灯，所以可关闭，夜间可开启）。
10. **指示灯**：
    绿灯：（绿色指示灯）（感应灯人体灯）；
    红灯：（红色灯灯光）（摄像机灯光）；（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
11. **麦克风**；
12. **冷防水盖**：（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
13. **热防水盖**：（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
14. **重置**：（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
15. **TF卡槽**：支持Micro SD卡（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
16. **Micro SD卡槽**：支持Micro SD卡（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。
17. **SIM卡槽**：支持Micro SD卡（蜂窝运营商网络，需要可插入SIM卡，使用4G流量。

五、规格参数

有效像素	200 万
分辨率	1920*1080
4G频段	支持全球全频段（需不同频段的模块）
转动角度	水平：320° 垂直：90°
感应范围	0-12米（360°（可转动）
拍摄范围	0-12米（360°（可转动）
工作温度	-10℃/60℃
工作湿度	0%-90%H
电源方式	IMD（Human Motion Detection 人体运动检测）模组驱动/手机远程APP唤醒
待机功耗	0.6mW
拍摄功耗	白天0.25W，晚上0.7W
防水等级	IP66

六、设备连接（本机只有蜂窝网络需要插卡，非蜂窝网络APP即可）

1. APP安装和注册

安装APP，请注意注册手机号码，手机号必须是当地手机号码才能收到短信。

2. 插入SIM卡和TF卡

3. 连接太阳能板（请注意防水盖，否则可能损坏，请使用紧固）

所有工作完毕后，

4. 设置摄像机

七、摄像机使用说明

1. 设置分享摄像

2. 设置（点击右上角“设置”）

3. 设置（点击右上角“设置”）

4. 设置（点击右上角“设置”）

5. 设置

八、分享添加摄像机

九、删除摄像机

十、设备视频

十一、设备使用注意事项

1：此设备法太阳能板长期充电为主，每天保证有两个小时的250mAh，长期使用两周时间可以安全的入侵的太阳能，地用在HVD或蜂窝网络的长时间不间，如果因为电量不足造成摄像机无法供应，可以用手机充电来延长时长，或加装一块5.5V/6.5瓦的太阳能。

2：在安装过程中请确保安装环境下没有可使用的足够的4G网络信号强度，如果4G信号较弱，请设置两分钟或更换其它设备做测试和手。

3：本设备属于低功耗智能产品，可以支持APP远程唤醒，HVD入侵检测等等，每天唤醒工作一段时间可以进入入侵测试。